(ORIGINAL, DESIGN, NATIONAL STAGE OF PCT OR CIP APPLICATION)

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name, I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: PROCESS FOR HEAT TREATING CERAMICS AND ARTICLES OF MANUFACTURE MADE THEREBY

the specification of which: (complete (a), (b) or (c) for type of application)

			RE	GULAR OR DESIGN A	PPLICATI	ON		
(a) (b)	[X]		ed hereto.	as Application Serial N	0	_ and was ame	ended on	<u></u> ·
•			PCT FILED A	APPLICATION ENTERI	NG NATIO	NAL STAGE		
(c)	[]		ribed and claim on	ed in International Appli	ication No.	filed o	on ar	nd a
		ACK	NOWLEDGMEN	IT OF REVIEW OF PAR	PERS AND	DUTY OF CA	NDOR	
				nd understand the conte any amendment referre			d specification,	
				formation which is mate deral Regulations. §1.5		examination of	this application in	n
[] In	compliance	with this duty t	here is attached an info	rmation dis	closure statem	nent. 37 CFR 1.9	97.
				PRIORITY CLA	MI			
for p	atent o	or inventor!	s certificate liste	s under Title 35, United ed below and have also a filing date before that	identified b	elow any forei	gn application for	Γ
				(complete (d) or	(e))			
(d)	[X]	no such a	applications have	e been filed.				
(e)	[]	such app	lications have b	een filed as follows:				
		EARLI		APPLICATION(S), IF A FOR DESIGN) PRIOR			ONTHS	
_	Cou	ntry	Application No	Date of Filing o. (day, month, year		te of Issue month, year)	Priority Claime	<u>ed</u>
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		ALL F		ICATION(S), IF ANY FI FOR DESIGN) PRIOR			ONTHS	
	Còu	ntn.	Application No	Date of Filing		te of Issue	Priority Claims	ad

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09/393,004	September 9, 19	99 Pending	
Application Serial No.)	(Filing Date)	(Status)	(patented, pending, abandoned)
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	POWER	OF ATTORNEY	
As a named inventor, I here and transact all business in List name and registration in	the Patent and Trader		r agent(s) to prosecute this application and therewith.
John J. Priz Larry R. Me Stanislav Ar James G. P Stephen T. John M. Hal Thomas W. Thomas Liz	enan ntolin orcelli Belsheim an Cole	Registration Registration Registration Registration Registration Registration Registration Registration	No. 33,423 No. 34,979 No. 33,757 No. 28,688 No. 35,534 No. 28,290
SEND CORRESPO	NDENCE TO:	DIRECT TELEP	HONE CALLS TO:
John J. Prizzi Kennametal Inc P. O. Box 231 Latrobe, PA 15		John J. Prizz (724) 539-53	
nade on information and be he knowledge that willful fal	lief are believed to be se statements and the Title 18 of the United	true; and further that e like so made are p States Code and th	e are true and that all statements at these statements were made with unishable by fine or imprisonment, o at such willful false statements may
full name of sole or first inve	entor <u>Pankaj K. Me</u>	hrotra	
nventor's signature	· · · · · · · · · · · · · · · · · · ·		
Pate			U.S.A.
Residence <u>Gre</u>	ensburg, Pennsylvani	a 15601	
	N-4 D O	ura DA 15601	

Post Office Address 306 Shady Oak Drive, Johnstown, PA 15905

Country of Citizenship U.S.A.

Inventor's signature ____

Residence _____ Johnstown, Pennsylvania 15905

Date

[X]	Signature for third and subsequent joint inventors. Number of pages added _1
[]	Signature by administrator(trix), executor(trix) or legal representative for deceased or incapacitated inventor. Number of pages added
[]	Signature for inventor who refuses to sign or cannot be reached by person authorized under

Full name of third joint inv	entor, if any <u>Chu</u> o	k E. Lipniskis		
Inventor's signature				· · · · · · · · · · · · · · · · · · ·
Date	Cour	ntry of Citizenship	U.S.A.	
Residence				
Post Office Address3	107 Attleboro Place	, Greensburg, PA	15601	
			· · · · · · · · · · · · · · · · · · ·	
Full name of fourth joint in	ventor, if any Fra	nk B. Battaglia.		
Inventor's signature	Freh B	Tellengers		
Date	Cour	ntry of Citizenship	U.S.A	······································
ResidenceL				
Post Office Address	R. D. 1, Box 366D, La	atrobe, PA 15650		
	<u> </u>		***************************************	
Full name of fifth joint inve	entor, if any			
Inventor's signature				
Date	Cour	itry of Citizenship	U.S.A.	
Residence				
Post Office Address				
Full name of sixth joint inv	entor, if any			
Inventor's signature				
Date				
Residence				
Post Office Address				
	,			
Full name of seventh joint	inventor, if any			
Inventor's signature				
Date			U.S.A.	
Residence		•		
Post Office Address				
			<u> </u>	

(ORIGINAL, DESIGN, NATIONAL STAGE OF PCT OR CIP APPLICATION)

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Country

Application No.

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REGULAR OR DESIGN APPLICATION

the specification of which: (complete (a), (b) or (c) for type of application)

(a) (b)	[X] []	is attached was filed o		_ as Ap	plication Serial N	0	_ and was ame	nded on	·
			PCT FILED	APPLIC	CATION ENTER	NG NATIO	NAL STAGE		•
(c)	[]	was descr amended		med in II	nternational Appl	ication No.	filed o	on	and a
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for pa	atent o	r inventor's	certificate list	ted belo	r Title 35, United w and have also g date before that	identified b	pelow any foreig	n application f	for
					(complete (d) or	(e))			
(d)	[X]	no such ap	oplications have	ve been	i filed.				
(e)	[]	such applic	cations have t	been file	ed as follows:			•	
		EARLIE			CATION(S), IF A			ONTHS	
-	Cour	ntry	Application N	lo. <u>(</u>	Date of Filing day, month, year		te of Issue month, year)	Priority Clair	ned

ALL FOREIGN APPLICATION(S), IF ANY FILED MORE THAN 12 MONTHS (6 MONTHS FOR DESIGN) PRIOR TO SAID APPLICATION

Date of Issue

(day, month, year)

Priority Claimed

Date of Filing

(day, month, year)

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RNEY
s) and/or agent(s) to prosecute this application connected therewith.
istration No. 29,970
istration No. 33,423
istration No. 34,979
istration No. 33,757
stration No. 28,688
istration No. 35,534
stration No. 28,290
stration No. 35,252
TELEPHONE CALLS TO:
ı J. Prizzi
) 539-5331
nowledge are true and that all statements rther that these statements were made with de are punishable by fine or imprisonment, or and that such willful false statements may hereon.
pU.S.A.
501
·
D U.S.A.

306 Shady Oak Drive, Johnstown, PA 15905

Post Office Address ____

[X]	Signature for third and subsequent joint inventors. Number of pages added _1
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[]	Signature for inventor who refuses to sign or cannot be reached by person authorized unde 35 CFR 1.47. Number of pages added

Full name of third joint	inventor, if any <u>Chuck E. Lipniskis</u>		
Inventor's signature			
Date	Country of Citizens	thip <u>U.S.A.</u>	
	Greensburg, Pennsylvania 15601		
	3107 Attleboro Place, Greensburg,		
Full name of fourth joir	nt inventor, if any <u>Frank B. Battagli</u>	a	
			-Ý-
Date	Country of Citizens	hip <u>U.S.A.</u>	
	Latrobe, Pennsylvania 15650		
	R. D. 1, Box 366D, Latrobe, PA 15		
Full name of fifth joint i	inventor, if any		
	Country of Citizens		
Full name of sixth joint	inventor, if any		
	Country of Citizens		
Full name of seventh jo	oint inventor, if any		
	Country of Citizens	hip <u>U.S.A.</u>	
	·		

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PEGIII	AR OR	DESIGN	APPI	ICAT	ION

a) b)	[X] []	is attach was filed	ned hereto.	as A	pplication S	erial No		and was ame	ended on	·•
			PCT FILE	D APPL	ICATION E	NTERING	NATION	IAL STAGE		
c)	[]	was des amende	cribed and cla	aimed in	Internation	al Applicat	ion No	filed c	on	_ and as
		ACK	NOWLEDGM	ENT OF	REVIEW	OF PAPER	RS AND I	OUTY OF CA	NDOR	
			have reviewed as amended					oove identified	d specification.	on,
acl	knowle ordance	dge the d e with Title	uty to disclose e 37, Code of	informa Federal	ation which i Regulations	is material s. §1.56(a	to the ex	amination of	this applicat	ion in
1	[] In a	complianc	e with this dut	ty there	is attached	an informa	ation disc	losure statem	ent. 37 CFI	₹ 1.97.
					PRIORIT	TY CLAIM				
or p	atent c	or invento	n priority bener's certificate li	isted bel	ow and hav	e also ide	ntified be	low any foreign	gn application	on for
					(complete	e (d) or (e))			
d)	[X]	no such	applications h	ave bee	n filed.	4				
e)	[]	such app	olications have	e been f	iled as follo	ws:		•		•
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_	Cou	ntry	Application	No.	Date of (day, mont			of Issue nonth, year)	Priority C	laimed
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	POWER O	F ATTORNEY	
As a named inventor, I here and transact all business in (List name and registration r	the Patent and Tradema		r agent(s) to prosecute this application ded therewith.
John J. Priz	zi	Registration	No. 29,970
Larry R. Me	enan	Registration	No. 33,423
Stanislav Ar	ntolin	Registration	
James G. P		Registration	
Stephen T.		Registration	
John M. Hai		Registration	
Thomas W.	-	Registration	
Thomas Liz		Registration	110. 55,252
SEND CORRESPO	NDENCE TO:	DIRECT TELEP	HONE CALLS TO:
John J. Prizzi		John J. Prizz	zi
Kennametal Inc.	•	(724) 539-53	331 · · · · · · · · · · · · · · · · · ·
P. O. Box 231			
Latrobe, PA 156	650		
			
made on information and betthe knowledge that willful fals	lief are believed to be tru se statements and the lik Title 18 of the United Sta	e; and further that te so made are pates Code and th	e are true and that all statements at these statements were made with unishable by fine or imprisonment, or at such willful false statements may
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Johnstown, Pennsylvania 15905

306 Shady Oak Drive, Johnstown, PA 15905

Residence __

Post Office Address

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Full name of third joint	inventor, it any <u>Chuck</u>	E. Lipniskis		·····
Inventor's signature				
	Count		U.S.A.	
	Greensburg, Pennsylv			
Post Office Address _	3107 Attleboro Place,	Greensburg, PA	15601	
	·			
Full name of fourth joir	nt inventor, if any <u>Fran</u>	k B. Battaglia		
Inventor's signature				·
Date	Countr	y of Citizenship	<u>U.S.A.</u>	
Residence	Latrobe, Pennsylvania	15650		
Post Office Address	R. D. 1, Box 366D, Lat	robe, PA 15650	*	······································
· · · · · · · · · · · · · · · · · · ·				
				-
Full name of fifth joint i	nventor, if any			
Inventor's signature	,			
Date	Countr	y of Citizenship	U.S.A.	
Residence				
		· · · · · · · · · · · · · · · · · · ·		
Full name of sixth joint	inventor, if any			
Inventor's signature				
	Countr		U.S.A.	<u> </u>
Residence				
				•
Full name of seventh jo	int inventor, if any			************************************
nventor's signature				
Date	Countr	y of Citizenship	U.S.A.	
Residence				

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		ACK	NOWLEDGME	NT OF R	EVIEW OF	PAPER	RS AND I	OUTY OF C	ANDOR	•
			nave reviewed a as amended by					oove identifi	ed specific	ation,
			ity to disclose in 37, Code of F					amination o	f this appli	cation in
[] in c	complianc	e with this duty	there is a	attached ar	informa	ition disc	iosure state	ment. 37 (CFR 1.97.
					PRIORITY	CLAIM				
for p	atent o	or inventor	n priority benefi 's certificate list ertificate having	ed below	and have	also ide	ntified be	low any fore	ign applica	ation for
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•	entor <u>Pankaj K. Mel</u>	nrotra	
ull name of sole or first inve			
nventor's signature			
nventor's signature Date	•		
nventor's signature Pate Green	ensburg, Pennsylvania	15601	
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Full name of third joint	t inventor, if any _	Chuck E. Lipniskis		
Inventor's signature	Church.	Lipnishia		
Date _ 5 - 9 - 6	20	Country of Citizenship	U.S.A.	
			15601	
Full name of fourth joir	nt inventor, if any	Frank B. Battaglia		
			U,S.A.	
•				
Full name of fifth joint i	inventor, if any			
Inventor's signature				
			U.S.A.	
_				
Full name of sixth joint	inventor, if any			
			U.S.A.	
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Full name of seventh io	oint inventor if an	v		
		•		
			U.S.A.	
		- Country of Chizeriship		